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(54) Title: CATHODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, PROCESS FOR PREPARING THE SAME AND REACTOR FOR USE IN THE SAME PROCESS

(57) Abstract: The present invention relates to a cathode active material for a lithium secondary battery and a process for preparing the same. In accordance with the present invention, the cathode active material having a high packing density was designed and synthesized and thus provided is a cathode active material for a lithium secondary battery exhibiting structural stability such as improved characteristics for charge/discharge, service life and high-rate and thermal stability, by modifying surface of the electrode active material with amphoteric or basic compounds capable of neutralizing acid produced around the cathode active material.

WO 2005/053064 A1